

Cogen Landfill Gas Extraction System Update Meeting

September 17, 2020



Tonight's Agenda

- Welcome
- Recap of the Project and Past Events
- Cogen Landfill Gas Extraction System project Update
- Comprehensive Human Health Assessment (CHHRA) Update
- Next Steps
- Questions and Answers

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Alicia Ramos (Me) FG (Host)

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Cogen Landfill Gas Extraction System Update Meeting

September 17, 2020



Participants

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Panelist: 1

FG FG Host

Attendee:

AR Alicia Ramos Me

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Participants QA

Q&A

Past Community Meetings & Events

- On October 29, 2019 Community Meeting at City Terrace Elementary
- November 7, 2019 City Terrace Elementary Parent Information Visit
- November 14, 2019 City Terrace Elementary Parent Information Visit & South Coast Air Quality Management District (SCAQMD) City Terrace Park Meeting
- November 21, 2019 City Terrace Drive “Pop-Up” Event with Community Outreach Vehicles
- November 23, 2019 City Terrace Park Open-House Event
- December 7, 2019 City Terrace Drive “Pop-Up” Event with Community Outreach Vehicles
- January 28, 2020 Community Update Meeting at City Terrace Park

Progress Made Since We Last Met

- January 2020 All Jurisdictional Agency Approvals Obtained (permits)
- February 2020 Went to Board of Supervisors to Adopt the Plans and get Authority to Advertise the Project for Construction Bids
- Mar – Jun 2020 Conducted Bidding Process for Selection of Bidder
- June 2020 Determined the Successful Bidder to Construct the Project
- Jul – Aug 2020 Develop Project Schedule and Plan, including COVID-19 Protective Measures for Construction Project
- Sept 2020 Present Project Update to Community and Mobilize on Site

Cogen Landfill Gas Extraction System Project Update

Where is Cogen Landfill and the Project?



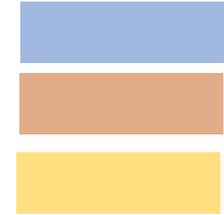
- Cogen and Blanchard are “Legacy Landfills” which means they were opened and operated prior to the establishment of the 1977 State required permitting
- Cogen operated from 1951 to 1958 and was closed in 1959
- Blanchard operated from 1935 to 1958.

Who Owns the Landfills?

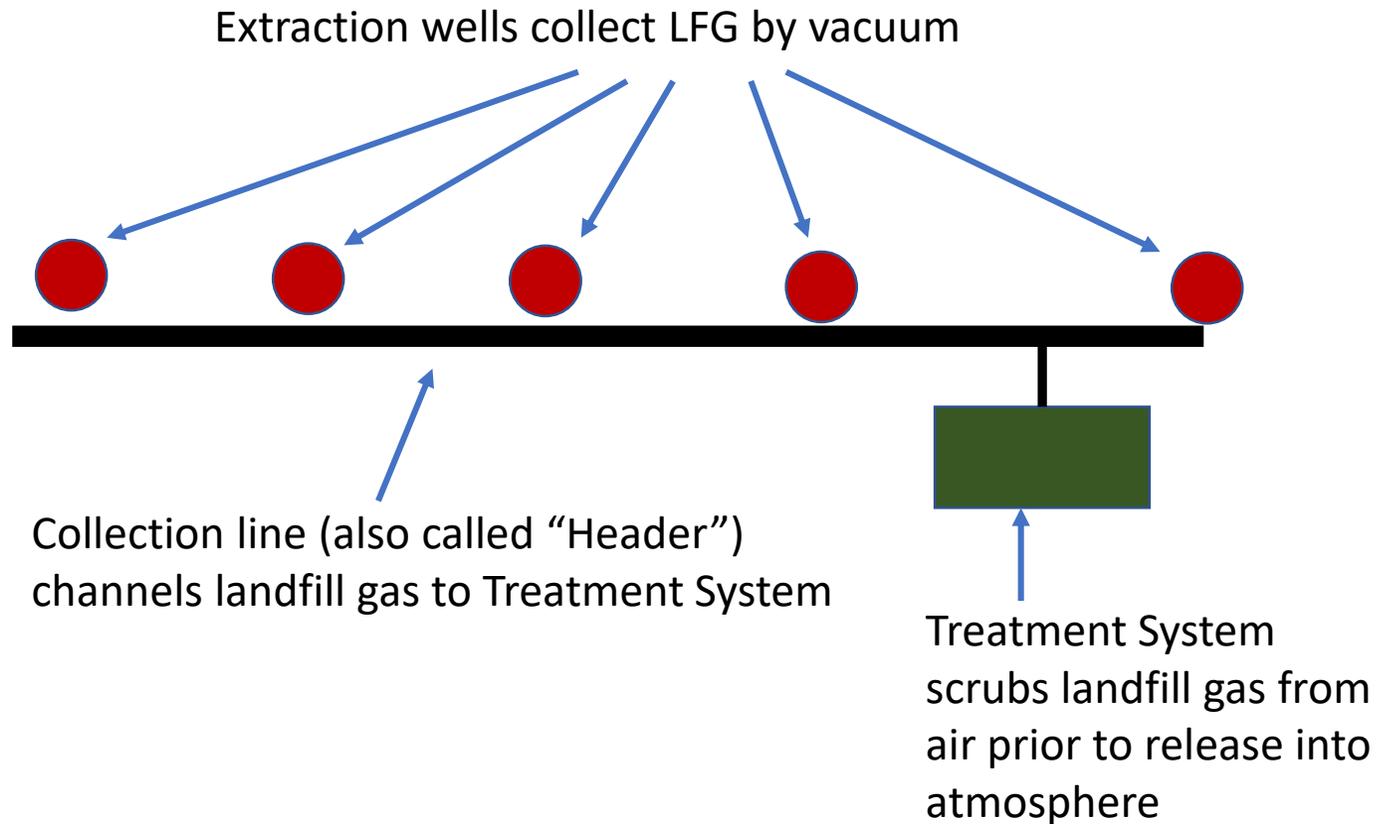


- Cogen ownership is shared among the following entities:

- Crown Enterprises (71%)
- Bar V. Bar (17%)
- LA County (12%)



What is a Landfill Gas Extraction System and How Does it Work?



- Extraction wells which extend into the ground will be placed along the west side of Sheriff Road to collect landfill gas
- Landfill gas is collected and piped to a treatment system that scrubs the air to remove the majority of volatile organic compounds (VOCs) before it is released to the atmosphere
- This system will continue to be monitored to ensure its effectiveness

What are the Benefits of the Landfill Gas Extraction System?

- The landfill gas extraction system allows the County to better manage and control the natural emission of methane from the Cogen Landfill
- The landfill gas extraction system will also clean the air of contaminants such as volatile organic compounds (VOCs)
- The landfill gas extraction system is the best available control technology in the industry and will best serve the Cogen landfill conditions for the long-run.

What does the Project Site Look Like Today?



What will the Site Look Like When Construction is Done?

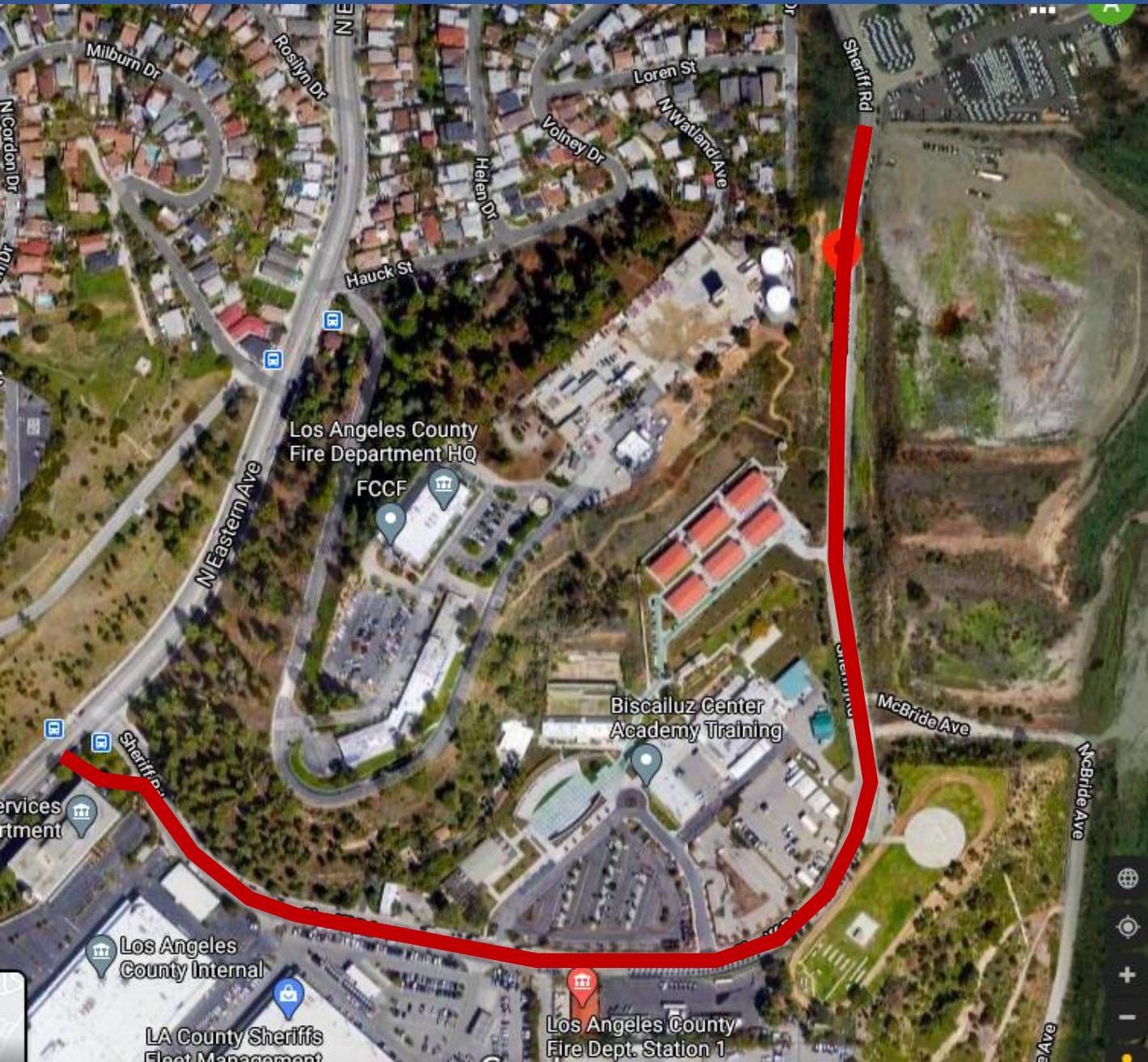


Where is the Exact Project Site?



- The project area is noted to the left

Things to Know About Up-Coming Construction



- Construction hours will be M-F, 7:00 a.m. to 4:00 p.m.
- A crew of 4-6 personnel will be on-site
- Construction will go on through the end of the year (2020) and may include some close-out activities into February 2021 (commissioning the system)
- The Route for construction vehicles will go through Sheriff Road off Eastern Avenue; No residential streets will be used

Comprehensive Human Health Risk Assessment (CHHRA) Update

October 29, 2019 Motion on the Eastern Hill Landfills

- On October 29, 2019, Supervisor Solis, with the Board of Supervisors, passed a motion to directing the County Departments to:
 - Expedite mitigation required by the jurisdictional agencies – Cogen Landfill Gas Mitigation System Project
 - Schedule and conduct a series of community meetings - On-going
 - Conduct an assessment to determine if there is potential human health risks to residents living in the community surrounding Eastern Hill Landfills – The Comprehensive Human Health Assessment Plan will be presented tonight

Where Will the CHHRA Be Conducted?

- At the January 28, 2020 update meeting, the County committed to develop the CHHRA plan, including collaboration with the Department of Public Health and present the plan to community before conducting the work.
- The CHHRA will focus on:
 - The County-owned portion of the Cogen Landfill
 - Residential areas and properties of the nearby City Terrace neighborhood
 - City Terrace Elementary School

How Will the CHHRA Be Conducted?

- The CHHRA will be conducted by taking and analyzing soil vapor samples and air samples throughout the focus areas.
- Soil vapor samples are performed by making a hole about 1” in diameter and 5 feet deep into the ground and then lowering a “probe” into the hole to take a reading of the vapor inside. In some areas the probe may be as deep as 15 feet, but these locations will be very limited.
- Air samples are taken by a device that captures a reading of the ambient air in an area.

How Will the CHHRA Be Conducted?

- The soil and air samples will be used to determine if there is a health risk which may require further evaluation or remediation of some sort.
- The CHHRA will aim to determine the presence or absence of carcinogenic and potential toxic air contaminants (TACs) and VOCs, to determine if potential risks or hazards are posed by the landfill.

How Might the CHHRA Impact Me or my Home?

- Soil vapor samples are easiest to obtain when we can go through ground soil. We may ask residents to allow our team access to their yards to obtain samples. Residents will not be required to give access to their yards if they do not wish to. For those residents that will allow access, we will furnish a permission form for your signature.
- Air samples will not require any permission forms, and we do not anticipate the need to access private residences.

Where Will the Soil Sampling Take Place?

- Proposed soil vapor sampling locations (indicated by black dots)



County-Owned Portion of the Landfill
Community and School

Soil Vapor Sampling
Monitoring Wells (to be sampled)



Not to Scale

Where Will the Air Sampling Take Place?

- Proposed air sampling locations (indicated by yellow dots for exterior; green dots indicate interior air samples)



County-Owned Portion of the Landfill
Community and School
Weather Stations
Ambient Air Sampling
Background Air Sampling
Indoor Air Sampling

N
Not to Scale

What Will Happen Once the Samples are Taken?

- Once all samples are obtained, they will be analyzed for content and the results will be compiled in a report which will be made available to the public. We will also return to the community to explain the findings and indicate if further action is recommended or required.

Next Steps

Dates to Know

- 9/17/2020 – 10/1/2020 – Obtain Property Owner Access
- October thru November – Conduct CHHRA
- December 2020 – Return to the Community with the results of the CHHRA
- The County will continue the area newsletter to apprise residents of the progress

For more information, please refer to any of the following methods:

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Questions